

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-1.1-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-1.1-1) shall prevail.

B.2 Revocation of Permits [326 IAC 2-1.1-9(5)]

Pursuant to 326 IAC 2-1.1-9(5)(Revocation of Permits), the Commissioner may revoke this permit if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

B.3 Reserved

B.4 Permit Term [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

- (a) This permit, M167-29848-00069, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

B.5 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

B.6 Enforceability

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.7 Severability

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.8 Property Rights or Exclusive Privilege

This permit does not convey any property rights of any sort or any exclusive privilege.

B.9 Duty to Provide Information

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

- (g) One (1) continuous bisulfite production and ammonium thiosulfate production process, permitted in 2013, consisting of the following:
- (1) One (1) ammonium thiosulfate (ATS) and ammonium bisulfite (ABS) mix tank, with a maximum capacity of 142,000 lbs/hr, permitted in 2013.
 - (2) Three (3) ammonium thiosulfate (ATS) reactors, with a maximum capacity of 40,000 lbs/hr, permitted in 2013.
 - (3) Two (2) ammonium thiosulfate (ATS) storage tanks, with a maximum storage capacity of 40,000 gallons, each, permitted in 2013.
 - (4) One (1) Potassium Hydroxide (KOH) storage tank, identified as tank T-604; constructed in 2015, with a maximum storage capacity of 40,000 gallons.
 - (5) One (1) Ammonium Bisulfite storage tank, identified as tank T-603; constructed in 2015, with a maximum storage capacity of 40,000 gallons.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

D.1.1 Particulate [326 IAC 6.5-1-2]

- (a) Pursuant to 326 IAC 6.5-1-2 (Particulate Matter Limitations Except Lake County), particulate matter (PM) emissions from the soda ash system shall not exceed three-hundredths (0.03) grain per dry standard cubic foot (dscf).
- (b) Pursuant to 326 IAC 6.5-1-2 (Particulate Matter Limitations Except Lake County), particulate matter (PM) emissions from the natural gas-fired boiler (BO-1) shall not exceed one-hundredth (0.01) grain per dry standard cubic foot (dscf).
- (c) Pursuant to 326 IAC 6.5-1-2 (Particulate Matter Limitations Except Lake County), particulate matter (PM) emissions from the natural gas-fired temporary boiler (B2T) shall not exceed one-hundredth (0.01) grain per dry standard cubic foot (dscf).
- (d) Pursuant to 326 IAC 6.5-1-2 (Particulate Matter Limitations Except Lake County), particulate matter (PM) emissions from the natural gas-fired temporary boiler, (BO-2) shall not exceed one-hundredth (0.01) grain per dry standard cubic foot (dscf).

D.1.2 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan is required for these facilities and any control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements

D.1.3 Particulate and Sulfur Dioxide Control

- (a) In order to comply with Condition D.1.1, the scrubber and cyclone for particulate control shall be in operation and control emissions from the soda ash system at all times the soda ash system is in operation.
- (b) In order to comply with 326 IAC 2-6.1, the 25% and 10% caustic solution pH controlled scrubbers for sulfur dioxide control shall be in operation and control emissions from the

continuous and batch bisulfite production processes at all times these facilities are in operation.

D.1.4 Testing Requirements [326 IAC 2-1.1-11]

Pursuant to Air-014-NPD and in order to verify compliance with 326 IAC 2-6.1, within sixty (60) days of reaching maximum capacity but no later than one hundred and eighty (180) days after initial startup, the Permittee shall perform a one-time performance test to verify the uncontrolled SO₂ emission factor from the ammonium, and sodium bisulfite production process, utilizing methods as approved by the Commissioner. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures. Section C – Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.